Title (en)

PLATFORM FOR A TOWER OF A WIND TURBINE AND WIND TURBINE

Title (de)

PLATTFORM FÜR EINEN TURM EINER WINDTURBINE SOWIE WINDTURBINE

Title (fr)

PLATE-FORME POUR UNE TOUR D'UNE ÉOLIENNE ET ÉOLIENNE

Publication

EP 4119791 A1 20230118 (EN)

Application

EP 21185816 A 20210715

Priority

EP 21185816 A 20210715

Abstract (en)

Platform for a tower (2) of a wind turbine (1), wherein the platform (6) is adapted for a hanging arrangement inside the tower (2) and comprises at least one supporting means (9) for supporting the platform (6) in a horizontal direction against a tower wall (7), wherein the supporting means (9) comprises a foot section (10) for contacting the tower wall (7), an abutment section (11) attached to the platform (6), and a pretension means (12), wherein the pretension means preloads the foot section (10) against the abutment section (11) with a pretension force (F_p) directed towards the tower wall (7), wherein the foot section (10) is moveable at least sectionally towards the platform (6) when a force (F_l) directed towards the platform (6) and acting on the foot section (10) exceeds the pretension force (F_p).

IPC 8 full level

F03D 13/20 (2016.01); **F03D 80/50** (2016.01); **F03D 80/80** (2016.01)

CPC (source: CN EP US)

F03D 13/20 (2016.05 - EP US); **F03D 80/50** (2016.05 - EP); **F03D 80/80** (2016.05 - CN EP US); **F03D 80/88** (2016.05 - EP); F05B 2240/912 (2013.01 - US); Y02E 10/72 (2013.01 - EP); Y02E 10/728 (2013.01 - EP)

Citation (applicant)

KR 101676202 B1 20161115 - POSCO [KR]

Citation (search report)

- [X] CN 107697818 A 20180216 - KERUN ELECTRO MECH ENGINEERING CO LTD
- [X] KR 101676202 B1 20161115 - POSCO [KR]
- [A] DE 102010008639 A1 20110818 - SPEHR THORSTEN [DE], et al
- [A] EP 3670784 A1 20200624 - SIEMENS GAMESA RENEWABLE ENERGY AS [DK]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

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DOCDB simple family (application)

EP 21185816 A 20210715; CN 202210830836 A 20220715; JP 2022112903 A 20220714; TW 111124755 A 20220701; US 202217848571 A 20220624